

A Conceptual Design To Solve a Define Problem

Problems definition:

There is an opportunity to transform the environment of the user for the better, a better safer, working environment that enhances recovery for the patient and work efficiency for the team and meet the stakeholders requirements.

The users are people, a group who seek services for a problem they want solved.

There is one person in the group who creates all the needs for the group including the one person.

A broken person is the root cause for the existence and development of the system of services to fix that broken person.

That one person is usually known as a sick person, a patient who has needs that teams of people attempt successfully and unsuccessfully to satisfy within the constraints of culture, law, cost and demand.

Point of View

The patient needs a wide spectrum of services to meet their varied health problems

The technician needs easy access to the patient for their interventions for example labs results are required for diagnostics

The radiologist needs to reach the patient to use using their portable tools.

The laboratory technicians need specimens for assays that medics needs

Nurses need to isolate patient to prevent outbreak of infection.

The physiotherapist needs room to get the patient moving.

Criteria

The teamwork that network efficiently.

The equipment that are well calibrated.

The ergonomics that enhance the use.

The functions of the organization that are flexible and timely.

The look of the environment that meet professionalism and appropriate.

The feel of the furniture that satisfies the senses.

The cost that the user and stakeholder are in agreement with

The maintenance efficiency that keeps the system running well.

The user friendliness that is appealing

The Timeliness of service that meets all stakeholders.

The spectrum of services that is wide and varied.

The availability of options.

The number and variety of tools

The number of disciplines that practice within the system.

Requirements:

The design shall allow room for rotating sub designs on the floor.
The floor length and width shall allow rotations of sub-design 360 degrees.

Storage space shall be in the head room pinned to the wall.

A lift motor shall be attached to the ceiling with a 250 kg capacity.

There shall be no power switch accessible.

There shall be remote power switch.

Equipment passes through the entrances

Services access time short

Communication reliable.

All services are connected to each other.

The equipment meets and exceed standard.

Documentation meets legal requirements

Reflection

From the time I spent working with many professionals Medics, nurses, physiotherapists, patients, relatives, owners of clinics and hospitals I assume that each has their priorities that they want met as they interact with each other and the patient to provide their input to the recovery of the patient and that there may be a system that can respond more efficiently with flexibility and timeliness.

The opportunity to design occurred in the place I spent time in with people I work and care about.

The problems emerged as a multi disciplinary team interact with a group of users in need of services.